## **DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

#### 94 Human Secreted Proteins

the specification of which is filed December 14, 1999, Application Serial No. 09/461,325.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):			Priority C	Claimed
			Yes	No
(Number)	(Country)	(Day/Month/Year Filed)		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

Appln Serial No.	
60/089,507	16 June 1998
60/089,508	16 June 1998
60/089,509	16 June 1998
60/089,510	16 June 1998
60/090,112	22 June 1998
60/090,113	22 June 1998

PCT/US99/13418	15 JUNE 1999	Pending
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith James H. Davis (Reg. No. 40,582), Kenley K. Hoover (Reg. No. 40,302), Michele M. Wales (Reg. No. 43,975), Michelle S. Marks (Reg. No. 41,971), Joseph Kenny (Reg. No. 43,710), and Jonathan L. Klein (Reg. No. 41,119) of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

rull name of first joint inventor; Steven M. Ruben		
Inventor's signature:	Date: /	1/2/25
Residence: 18528 Heritage Hills Drive, Olney, MD 20832	Citizenshi	76700 C
Post Office Address: same as above	—— Chizchshij	). <u>03</u>
1 Ost Office Address.		
	J.*	
Full name of additional joint inventor: Jian Ni		-
Inventor's signature:	Date:	1/80
Residence: 5502 Manorfield Road, Rockville, MD 20853	Citizenship:	CN
Post Office Address: same as above	_ Citizonship.	<u> </u>
1 Ost Office Address. Same as above		
Full name of additional joint inventor: Craig A. Rosen		
		12.1
Inventor's signature:	Date: ///	1/2001
Residence: 22400 Rolling Hill Road, Laytonsville, MD 20882	Citizenship // /	US
Post Office Address: same as above	- ~ /	
		<del></del>
Full name of additional joint inventor: Ying-Fei Wei		
Turney to all all materials	Data	
Inventor's signature:	Date:	CNI
Residence: 242 Gravatt Drive, Berkeley, CA 94705	Citizenship:	CN
Post Office Address: same as above	· · · · · · · · · · · · · · · · · · ·	
Full name of additional joint inventor: Paul Young		
Tun name of additional joint inventor. Tadi Toding		<del></del>
Inventor's signature:	Date: )/7	7(X)
Residence: 122 Beckwith Street, Gaithersburg, MD 20878	Citizenship:	US
Post Office Address: same as above	_ Chizonsinp.	
1 ost Office Additions.		<del></del>
Full name of additional joint inventor: Kimberly Florence	ee	
100 110	,	<u> </u>
Inventor's signature: Ille Storence	Date: //	11/00
Residence: 12805 Atlantic Avenue, Rockville, MD 20851	Citizenship:	US
Post Office Address: same as above	- •	

Full name of additional joint inventor: Daniel R. Soppet	
Inventor's signature:	Data: (/1)/(21)
Inventor's signature: Residence: 15050 Stillfield Place, Centreville, VA22020	Date: ///O ) Citizenship: US
Post Office Address: same as above	Cluzenship
1 OST OTTICE Address. Same as above	·
•	
Full name of additional joint inventor: Laurie A. Brewer	
	_
Inventor's signature:	Date:
Residence: 410 Van Dyke Street, Apt. 115, St. Paul, MN 55119	Citizenship: US
Post Office Address: same as above	<del></del>
Full name of additional joint inventor: Gregory A. Endres	SS
Inventor's signature:	Date:
Residence: 9729 Clagett Farm Drive, Potomac, MD 20854	Citizenship: US
Post Office Address: same as above	
Full name of additional joint inventor: Kenneth C. Carter	
Inventor's signature:	
	Citizenship: US
Post Office Address: same as above	
Full name of additional joint inventor: Michael Mucenski	
Full name of additional joint inventor: Michael Mucenski	
Full name of additional joint inventor: Michael Mucenski Inventor's signature:	Date:
	Date: Citizenship: US
Inventor's signature:	
Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239	
Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239 Post Office Address: same as above	
Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239	Citizenship: US
Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239 Post Office Address: same as above  Full name of additional joint inventor: Reinhard Ebner	Citizenship: US
Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239 Post Office Address: same as above  Full name of additional joint inventor: Reinhard Ebner Inventor's signature:	Citizenship: US  Date: 1/12/00-
Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239 Post Office Address: same as above  Full name of additional joint inventor: Reinhard Ebner	Citizenship: US  Date: 1/12/00-
Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239 Post Office Address: same as above  Full name of additional joint inventor: Reinhard Ebner Inventor's signature: Residence: 9906 Shelburne Terrace, # 316, Gaithersburg, MD 20878	Citizenship: US  Date: 1/12/00-
Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239 Post Office Address: same as above  Full name of additional joint inventor: Reinhard Ebner Inventor's signature: Residence: 9906 Shelburne Terrace, # 316, Gaithersburg, MD 20878 Post Office Address: same as above	Citizenship: US  Date: 1/12/00-
Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239 Post Office Address: same as above  Full name of additional joint inventor: Reinhard Ebner Inventor's signature: Residence: 9906 Shelburne Terrace, # 316, Gaithersburg, MD 20878	Citizenship: US  Date: 1/12/00-
Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239 Post Office Address: same as above  Full name of additional joint inventor: Reinhard Ebner Inventor's signature: Residence: 9906 Shelburne Terrace, # 316, Gaithersburg, MD 20878 Post Office Address: same as above  Full name of additional joint inventor: David W. LaFleur	Citizenship: US  Date: 1/12/00- Citizenship: DE
Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239 Post Office Address: same as above  Full name of additional joint inventor: Reinhard Ebner Inventor's signature: Residence: 9906 Shelburne Terrace, # 316, Gaithersburg, MD 20878 Post Office Address: same as above  Full name of additional joint inventor: David W. LaFleur Inventor's signature:	Date: US  Date: US  Date: US  Date: US
Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239 Post Office Address: same as above  Full name of additional joint inventor: Reinhard Ebner Inventor's signature: Residence: 9906 Shelburne Terrace, # 316, Gaithersburg, MD 20878 Post Office Address: same as above  Full name of additional joint inventor: David W. LaFleur Inventor's signature: Residence: 3142 Quesada Street, N.W., Washington, DC 20013	Citizenship: US  Date: 1/12/00- Citizenship: DE
Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239 Post Office Address: same as above  Full name of additional joint inventor: Reinhard Ebner Inventor's signature: Residence: 9906 Shelburne Terrace, # 316, Gaithersburg, MD 20878 Post Office Address: same as above  Full name of additional joint inventor: David W. LaFleur Inventor's signature:	Date: US  Date: US  Date: US  Date: US
Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239 Post Office Address: same as above  Full name of additional joint inventor: Reinhard Ebner Inventor's signature: Residence: 9906 Shelburne Terrace, # 316, Gaithersburg, MD 20878 Post Office Address: same as above  Full name of additional joint inventor: David W. LaFleur Inventor's signature: Residence: 3142 Quesada Street, N.W., Washington, DC 20013 Post Office Address: same as above	Date: US  Date: US  Date: US  Date: US
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Inventor's signature: Residence: 3263 Mandale Drive, Cincinnati, OH 45239 Post Office Address: same as above  Full name of additional joint inventor: Reinhard Ebner Inventor's signature: Residence: 9906 Shelburne Terrace, # 316, Gaithersburg, MD 20878 Post Office Address: same as above  Full name of additional joint inventor: David W. LaFleur Inventor's signature: Residence: 3142 Quesada Street, N.W., Washington, DC 20013 Post Office Address: same as above	Date: US  Date: US  Date: US  Date: US

Full name of additional	joint inventor:	Yanggu Shi		
Inventor's signature: Residence: 437 West Side Post Office Address:	Drive, Apt. 102, C	Gaithersburg, MD 2087	Date: (	/2/2000 p: <u>CN</u>
Full name of first joint	inventor: Paul	A. Moore		<del></del>
Inventor's signature: Residence: 19005 Lea	Paul Air	MOOK mantown, MD 20874	Date: Citizenshi	1/7/2000 p: UK
Post Office Address:	same as above	mantown, ND 20874	Citizensin	p. <u>UK</u>
Full name of additional	joint inventor:	George Komatso	ulis	
Inventor's signature: Residence: 9518 Gar	George A.K	Quatsoul	Date: Citizenship:	2/23/2000 US
Post Office Address:	same as above	Spring, MD 20901	Ciuzensinp.	

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#### 94 Human Secreted Proteins

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Prior Foreign Application(s):			Priority C Yes	<u>laimed</u> No
(Number)	(Country)	(Day/Month/Year Filed)		,

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Full name of first joint inventor:	Steven M. Ruben	· · · · · · · · · · · · · · · · · · ·	
Inventor's signature:		Date:	
Residence: 18528 Heritage Hills Drive, O	lney, MD 20832	Citizenship:	ÜŚ
Post Office Address: same as above	· · · · · · · · · · · · · · · · · · ·		
Full name of additional joint inventor:	Jian Ni		
Inventor's signature:		Date:	
Residence: 5502 Manorfield Road, Rocky	ille, MD 20853	Citizenship:	CN
Post Office Address: same as above		_	
Full name of additional joint inventor:	Craig A. Rosen		•
Inventor's signature:		Date:	
Residence: 22400 Rolling Hill Road, Laye	tonsville MD 20882	Citizenship:	US
Post Office Address: same as above	20002	_ Ciuzensinp.	
Full name of additional joint inventor:	Ying-Fei Wei		
Inventor's signature:		Date: Jan 11	συ
Residence: 242 Gravatt Drive/Berkeley,	CA 94705	Citizenship:	CN
Post Office Address: / same as above	-	_ Grazonomp.	
		V-1,	
Full name of additional joint inventor:	Paul Young		
Inventor's signature:		Date:	
Residence: 122 Beckwith Street, Gaithers	sburg, MD 20878	Citizenship:	US
Post Office Address: same as above	<u> </u>	<b>-</b>	
Full name of additional joint inventor:	Kimberly Florence	e	
Inventor's signature:		Date:	
Residence: 12805 Atlantic Avenue, Rock	ville, MD 20851	Citizenship:	US
Post Office Address: same as above			

Full name of additional joint inventor: Daniel R. Soppet	· · · · · · · · · · · · · · · · · · ·	
Inventor's signature:	Date:	
Residence: 15050 Stillfield Place, Centreville, VA 22020	Citizenship: ·	US
Post Office Address: same as above	<u> </u>	
	·	
Full name of additional joint inventor: Laurie A. Brewer	r	:
	D .	
Inventor's signature:  Residence: 410 Van Dyke Street, Apt. 115, St. Paul, MN 55119	Date:	TIC
Post Office Address: same as above	Citizenship:	US
Fost Office Address. Same as above		
Full name of additional joint inventor: Gregory A. Endu	ress	
	. 055	
Inventor's signature:	Date:	
Residence: 9729 Clagett Farm Drive, Potomac, MD 20854	Citizenship:	US
Post Office Address: same as above	·	
Full name of additional joint inventor: Kenneth C. Carte	<u>r</u>	
Inventor's signature:	Date:	
Residence: 11600 Brandy Hall Lane, North Potomac, MD 20878	Citizenship:	US
Post Office Address: same as above	• '	
Full name of additional joint inventors. Michael Mycons	<b>-</b> 1	
Full name of additional joint inventor: Michael Mucens	KI	
Inventor's signature:	Date:	
Residence: 3263 Mandale Drive, Cincinnati, OH 45239	Citizenship:	US
Post Office Address: same as above		
	-	
Full name of additional joint inventor: Reinhard Ebner		
	, , , , , , , , , , , , , , , , , , ,	
Inventor's signature:	Date:	DE
Residence: 9906 Shelburne Terrace, # 316, Gaithersburg, MD 208	78 Citizenship:	DE
Post Office Address: same as above		
Full name of additional joint inventor: David W. LaFlet	ur	
Inventor's signature:	Date:	
Inventor's signature:  Residence: 3142 Quesada Street, N.W., Washington, DC 20015		US
Post Office Address: same as above	Cluzonsinp.	
1 Oct Office / Iddiess.		
Full name of additional joint inventor: Henrik Olsen		
Inventor's signature:	Date:	
Residence: 182 Kendrick Place, #24, Gaithersburg, MD 2087.		DK
Post Office Address: same as above	<del></del>	

Full name of additional joint inventor: Yanggu Shi		
Inventor's signature:	Date:	
Residence: 437 West Side Drive, Apt. 102, Gaithersburg, MD 20878	Citizenship:	CN
Post Office Address: same as above	<del>-</del>	
Full name of first joint inventor: Paul A. Moore		
Inventor's signature:	Date:	
Residence: 19005 Leatherbark Drive, Germantown, MD 20874	Citizenship:	UK
Post Office Address: same as above	- •	
Full name of additional joint inventor: George Komatsouli	s	
Inventor's signature:	Date:	
Residence: 9518 Garwood Street, Silver Spring, MD 20901	Citizenship:	ับร~
Post Office Address: same as above		

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(Number)	(Country)	(Day/Month/Year Filed)	100	110

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Full name of first joint inventor:	steven M. Ruben		
Inventor's signature:		Date:	
Residence: 18528 Heritage Hills Drive, Oln	ev. MD 20832	Citizenship:	US
Post Office Address: same as above	,		
Full name of additional joint inventor:	lian Ni		
Inventor's signature:		Date:	
Residence: 5502 Manorfield Road, Rockvil	le, MD 20853	Citizenship:	CN
Post Office Address: same as above		<del>-</del>	
Full name of additional joint inventor:	Craig A. Rosen		
Inventor's signature:	•	Date:	
Residence: 22400 Rolling Hill Road, Layto	nsville, MD 20882	Citizenship:	US
Post Office Address: same as above		•	
Full name of additional joint inventor:	Ying-Fei Wei		
Inventor's signature:		Date:	
Residence: 242 Gravatt Drive, Berkeley, C	CA 94705	Citizenship:	CN
Post Office Address: same as above	-		
Full name of additional joint inventor:	Paul Young		
Inventor's signature:		Date:	
Residence: 122 Beckwith Street, Gaithers	ourg, MD 20878	Citizenship:	US
Post Office Address: same as above			
Full name of additional joint inventor:	Kimberly Florenc	e ·	
	•		
Inventor's signature:	:II NO 00051	Date:	TIC
Residence: 12805 Atlantic Avenue, Rocky	ille, MD 2085 I	Citizenship:	US
Post Office Address: same as above			

Full name of additional joint inventor: _	Daniel R. Soppet		
Inventor's signature:		Date:	
Residence: 15050 Stillfield Place, Centrev	ille, VA 22020	Citizenship: ·	US
Post Office Address: same as above		P.	
		······	
Full name of additional joint inventor:	Laurie A. Brewer		:
R -	- 10	D .	) _ 1
Inventor's signature:	1 A Bruses	Date://	<u>10,00</u>
Residence: 410 Van Dyke Street, Apt. 115,	St. Paul, MIN 55119	Citizenship:	08
Post Office Address: same as above	<u></u>		
Full name of additional joint inventor: _	Gregory A. Endres	SS	·
Inventor's signature:		Date:	
Residence: 9729 Clagett Farm Drive, Poto	mac, MD 20854	Citizenship:	US
Post Office Address: same as above		, <b>*</b>	
Full name of additional joint inventor:	Kenneth C Carter		
run name of additional joint inventor.	Kenneth C. Carter		
Inventor's signature:		Date:	
Residence: 11600 Brandy Hall Lane, North Po	otomac, MD 20878 C	citizenship:	US
Post Office Address: same as above		• •	
Tall areas of additional initial immentant	Michael Musemaki		
Full name of additional joint inventor:	Michael Mucenski		
Inventor's signature:		Date:	
Residence: 3263 Mandale Drive, Cincinna	ti, OH 45239	Citizenship:	US
Post Office Address: same as above		·	
Full name of additional joint inventor:	Rainhard Fhnar		
run name of additional Joint inventor:	Meimalu Eunei		
Inventor's signature:		Date:	
Residence: 9906 Shelburne Terrace, #316, G	aithersburg, MD 20878	Citizenship:	DE
Post Office Address: same as above			
	•		
Full name of additional joint inventors	David W. LaFleur		
Full name of additional joint inventor:	David W. Laricur		
Inventor's signature:		Date:	
Residence: 3142 Quesada Street, N.W., Wa	shington, DC 20015	Citizenship:	US
Post Office Address: same as above			
T 11 6 1314 1 1 1 4 1 1 1 4 1 1 1 4 1 1 1 1 1	Hamaila Olaan		
Full name of additional joint inventor:	Henrik Olsen		
Inventor's signature:		Date:	
Residence: 182 Kendrick Place, #24, Ga	ithersburg, MD 20878	Citizenship:	DK
Post Office Address: same as above	8, 20070	_	

Full name of additional joint inventor:	Yanggu Shi	
Inventor's signature:	Dat	te:
Residence: 437 West Side Drive, Apt. 102, 0	Gaithersburg, MD 20878 Cit	izenship: CN
Post Office Address: same as above		
Full name of first joint inventor: Pau	l A. Moore	:
Inventor's signature:	Dat	te:
Residence: 19005 Leatherbark Drive, Ge	rmantown, MD 20874 Cit	izenship: UK
Post Office Address: same as above		
Full name of additional joint inventor:	George Komatsoulis	<u>.</u>
Inventor's signature:		ate:
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Post Office Address: same as above		<del></del>

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Residence: 18528 Heritage Hills Drive, Oli	nev. MD 20832	Citizenship	: US
Post Office Address: same as above	103, 1112 20032		
same as above		· · · · · · · · · · · · · · · · · · ·	
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Inventor's signature:		Date:	
Residence: 122 Beckwith Street, Gaithers	sburg, MD 20878	Citizenship:	US
Post Office Address: same as above		·	
Full name of additional joint inventor:	Kimberly Florence		
Inventor's signature:		Date:	
Residence: 12805 Atlantic Avenue, Rock	ville, MD 20851	Citizenship:	US
Post Office Address: same as above			

Full name of additional	joint inventor: _	Daniel R. Soppet		
Inventor's signature:			Date:	
Residence: 15050 Still	field Place Centrey	rille VA 22020	Citizenship:	US
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		·		
Full name of additional	joint inventor:	Laurie A. Brewer	:	
Y	_		D	
Inventor's signature:	Canada A-4 115	Ca Devil MNI 55110	Date:	TTO
Residence: 410 Van Dyl		St. Paul, MIN 33119	Citizenship:	US
Post Office Address:	same as above			
Full name of additional	ioint inventor:	Gregory A. Endres	s.	
	<u> </u>			<del></del>
Inventor's signature:  Residence: 9729 Clage	Luin a	Eveliers	Date: 1/6	12000
Residence: 9729 Clage	tt Farm Drive, Poto	mac, MD 20854	Citizenship:	US
Post Office Address:	same as above		<del></del>	
Full name of additional	joint inventor: _	Kenneth C. Carter		
Inventor's signature:			Date:	
Residence: 11600 Brandy	Hall Lane, North Po	otomac, MD 20878 C	itizenship:	US
	me as above			
Full name of additional	ioint inventor:	Michael Mucenski		
	• • • • • • • • • • • • • • • • • • •			
Inventor's signature:			Date:	***
Residence: 3263 Mand		iti, OH 45239	Citizenship:	US
Post Office Address:	same as above			
Full name of additional	ioint inventor:	Reinhard Ehner		
run name of additional	Joint Mychtor.	Acimiard Editer		
Inventor's signature:			Date:	
		aithersburg, MD 20878	Citizenship:	DE
Post Office Address:	same as above			
Full name of additional	joint inventor:	David W. LaFleur	<del></del>	
Inventor's signature:			Date:	
	a Street, N.W., Wa	shington, DC 20015	Citizenship:	US
Post Office Address:	same as above		• • • • • • • • • • • • • • • • • • •	
Full name of additional	joint inventor:	Henrik Olsen		•
			D .	
Inventor's signature:	* 1- DI "04 C	ALL	Date:	DK
		ithersburg, MD 20878	Citizenship:	DK
Post Office Address:	same as above			

rull name of additional joint inventor: Yanggu Shi		
Inventor's signature:  Residence: 437 West Side Drive, Apt. 102, Gaithersburg, MD 20878  Post Office Address: same as above	Date: Citizenship:	CN
Full name of first joint inventor: Paul A. Moore	·	:
Inventor's signature:	Date:	
Residence: 19005 Leatherbark Drive, Germantown, MD 20874	Citizenship:	UK
Post Office Address: same as above		
Full name of additional joint inventor: George Komatsouli	s	
Inventor's signature:	Date:	
Residence: 9518 Garwood Street, Silver Spring, MD 20901	Citizenship:	US
Post Office Address: same as above	-	

## **DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### 94 Human Secreted Proteins

the specification of which is filed December 14, 1999, Application Serial No. 09/461,325.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):			Priority C	Claimed
			Yes	No
(Number)	(Country)	(Day/Month/Year Filed)		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

Appln Serial No.	Filing Date
60/089,507	16 June 1998
. 60/089,508	16 June 1998
60/089,509	16 June 1998
60/089,510	16 June 1998
60/090,112	22 June 1998
60/090,113	22 June 1998 .

PCT/US99/13418	15 JUNE 1999	Pending
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith James H. Davis (Reg. No. 40,582), Kenley K. Hoover (Reg. No. 40,302), Michele M. Wales (Reg. No. 43,975), Michelle S. Marks (Reg. No. 41,971), Joseph Kenny (Reg. No. 43,710), and Jonathan L. Klein (Reg. No. 41,119) of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

Full name of first joint inventor:	Steven M. Ruben
Inventor's signature:	Date:
Residence: 18528 Heritage Hills Drive, Oln	
Post Office Address: same as above	<u> </u>
Full name of additional joint inventor:	Jian Ni
Inventor's signature:	Date:
Residence: 5502 Manorfield Road, Rockvil	le, MD 20853 Citizenship: CN
Post Office Address: same as above	
Full name of additional joint inventor:	Craig A. Rosen
Inventor's signature:	Date:
Residence: 22400 Rolling Hill Road, Layto	onsville, MD 20882 Citizenship: US
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Full name of additional joint inventor: _ Inventor's signature:	Ying-Fei Wei  Date:
Residence: 242 Gravatt Drive, Berkeley, C	
Post Office Address: same as above	Citability.
Full name of additional joint inventor:	Paul Young
Inventor's signature:	Date:
Residence: 122 Beckwith Street, Gaithers	burg, MD 20878 Citizenship: US
Post Office Address: same as above	
Full name of additional joint inventor:	Kimberly Florence
Inventor's signature:	Date:
Residence: 12805 Atlantic Avenue, Rocky	ville, MD 20851 Citizenship: US
Post Office Address: same as above	•

Full name of additional joint inventor: Dan	iel R. Soppet
Inventor's signature:	Date:
Residence: 15050 Stillfield Place, Centreville, V	
Post Office Address: same as above	ordensing
· June 1100 1100 1100 1100 1100 1100 1100 11	
Full name of additional joint inventor: Laur	rie A. Brewer
Inventor's signature:	Date:
Residence: 410 Van Dyke Street, Apt. 115, St. Pa	ul, MN 55119 Citizenship: US
Post Office Address: same as above	
Full name of additional joint inventor: Gre	gory A. Endress
Inventor's signature:	Date:
Residence: 9729 Clagett Farm Drive, Potomac, N	AD 20854 Citizenship. US
Post Office Address: same as above	
Full name of additional joint inventor: Kenn	eth C. Carter
1/2	- 1 110
Inventor's signature:	Date: 1/14/97
Residence: 11600 Brandy Hall Lane, North Potomac	c, MD 20878 Citizenship: / US
Post Office Address: same as above	-, -,
Full name of additional joint inventor: Mic	hael Mucenski
I dil Manie of additional Joint Inventors	
Inventor's signature:	Date:
Residence: 3263 Mandale Drive, Cincinnati, OH	45239 Citizenship: US
Post Office Address: same as above	
Full name of additional joint inventor: Reir	hard Ebner
Tui hame of additional joint inventor.	Mara Zonoi
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Full name of additional joint inventor: Day	id W. LaFleur
run name of additional joint inventor	Id W. Darkui
Inventor's signature:	Date:
Residence: 3142 Quesada Street, N.W., Washingt	on, DC 20015 Citizenship: US
Post Office Address: same as above	<u> </u>
TO 11	arile Olson
Full name of additional joint inventor: Her	nrik Olsen
Inventor's signature:	Date:
Residence: 182 Kendrick Place, #24, Gaithersh	
Post Office Address: same as above	•

Full name of additional join	nt inventor: Yanggu Shi	
Inventor's signature:		Date:
Residence: 437 West Side Dri	ve, Apt. 102, Gaithersburg, MD 2087	8 Citizenship: CN
Post Office Address: s	ame as above	<u> </u>
Full name of first joint inve	entor: Paul A. Moore	:
Inventor's signature:		Date:
Residence: 19005 Leather	bark Drive, Germantown, MD 20874	Citizenship: UK
Post Office Address: s	same as above	
Full name of additional join	nt inventor: George Komatso	ulis
Inventor's signature:		Date:
	d Street, Silver Spring, MD 20901	Citizenship: US
Post Office Address: sam	ne as above	

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Prior Foreign Application(s):			Priority C Yes	laimed No
(Number)	(Country)	(Day/Month/Year Filed)		

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Full name of first joint inventor:	Steven M. Ruben	
Inventor's signature:	Date:	
Residence: 18528 Heritage Hills Drive, Oli		US
Post Office Address: same as above		
Full name of additional joint inventor:	Jian Ni	
Inventor's signature:	Date:	
Residence: 5502 Manorfield Road, Rockvi	lle, MD 20853 Citizenship:	CN
Post Office Address: same as above		
Full name of additional joint inventor:	Craig A. Rosen	
Inventor's signature:	Date:	
Residence: 22400 Rolling Hill Road, Layto	onsville, MD 20882 Citizenship:	US
Post Office Address: same as above		
Full name of additional joint inventor: _	Ying-Fei Wei	
Inventor's signature:	Date:	
Residence: 242 Gravatt Drive, Berkeley, G	CA 94705 Citizenship:	CN
Post Office Address: same as above		
Full name of additional joint inventor:	Paul Young	
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Inventor's signature:	Date:	TIC
Residence: 122 Beckwith Street, Gaithers	burg, MD 20878 Citizenship:	US
Post Office Address: same as above		
Full name of additional joint inventor:	Kimberly Florence	
Inventor's signature:	Date:	
Residence: 12805 Atlantic Avenue, Rocky	ville, MD 20851 Citizenship:	US
Post Office Address: same as above	•	

Full name of additional joint inventor: Daniel R. Soppet		
Inventor's signature:	Date:	
Residence: 15050 Stillfield Place, Centreville, VA 22020	Citizenship:	US
Post Office Address: same as above	- Citizensinp.	
Julio us dovo	-	
Full name of additional joint inventor: Laurie A. Brewer		;
Inventor's signature:	Datas	<del>_</del>
Inventor's signature:  Residence: 410 Van Dyke Street, Apt. 115, St. Paul, MN 55119	Date:	TIC
Post Office Address: same as above	Citizenship:	<u>US</u>
Fost Office Address. Same as above	•	
Full name of additional joint inventor: Gregory A. Endre	SS	
Inventor's signature:	Date:	110
Residence: 9729 Clagett Farm Drive, Potomac, MD 20854	Citizenship:	US
Post Office Address: same as above		<del></del>
Full name of additional joint inventor: Kenneth C. Carter		
Inventor's signature:	Date:	
	Citizenship:	US
Post Office Address: same as above	-	
		<del></del>
Full name of additional joint inventors. Michael Museuchi		
Full name of additional joint inventor: Michael Mucenski		
Inventor's signature: Muchael Mucenation	Date:	2/00
Residence: 3263 Mandale Drive, Cincinnati, OH 45239	Citizenship:	US
Post Office Address: same as above	<u> </u>	
Full name of additional joint inventor: Reinhard Ebner		
Inventor's signature:	Date:	
Residence: 9906 Shelburne Terrace, # 316, Gaithersburg, MD 20878		DE
Post Office Address: same as above	Cidzensinp.	
built as above	<del></del>	
To the control of the		
Full name of additional joint inventor: David W. LaFleur	·	
Inventor's signature:	Date:	
Residence: 3142 Quesada Street, N.W., Washington, DC 20015	Citizenship:	US
Post Office Address: same as above		
Full name of additional joint inventor: Henrik Olsen		
Inventor's signature:	Date:	1517
Residence: 182 Kendrick Place, #24, Gaithersburg, MD 20878 Post Office Address: same as above	Citizenship:	DK
POSE DELICE AGGRESS' Same as above .		

Full name of additional	l joint inventor: Yan	ggu Shi		
Inventor's signature:	· .		Date:	
Residence: 437 West Sid	Drive, Apt. 102, Gaithers	burg, MD 20878	Citizenship:	CN
Post Office Address:	same as above		•	
Full name of first joint	inventor: Paul A. M	oore	:	
Inventor's signature:			Date:	
Residence: 19005 Lea	therbark Drive, Germantov	wn, MD 20874	Citizenship:	UK
Post Office Address:	same as above		- *	
Full name of additiona	joint inventor: Geo	rge Komatsouli	s	
Inventor's signature:			Date:	
Residence: 9518 Gar	wood Street, Silver Spring.	, MD 20901	Citizenship:	US
Post Office Address:	same as above		-	